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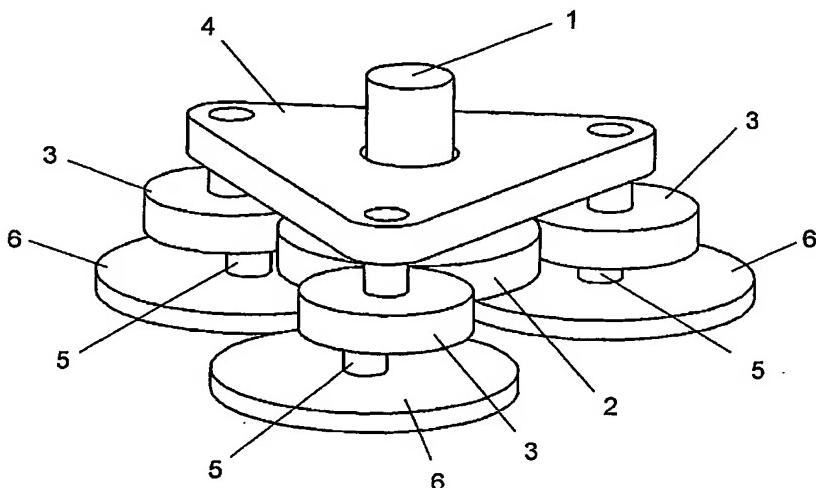
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(54) Title: ROTARY WORK TOOL WITH ORBITING PLANETARY GEARS CONTAINING ECCENTRIC AXES FOR THE ATTACHMENT OF POLISHING OR SANDING PLATENS



(57) Abstract: A work tool comprising: a principle drive shaft (1) with a sun gear (2) attached thereto; at least two planetary gears (3) distributed about the circumference of the sun gear (2) at substantially equal angular separations; and a carriage (4) for constraining the planetary gears (3) such that they maintain their angular separation about the axis of the principal drive shaft (1); wherein each planetary gear (3) has an eccentric (5) axis in addition to its rotational axis constrained by the carriage (4), such that each planetary gear (3) can drive, in use, a polishing or sanding platen (6) around the respective excentric axis (5). A phase difference may be provided between the respective adjacent excentric axes (5). The polishing or sanding platens (6) may rotate freely or may be rotationally constrained.

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